

13000 GeV pp

 $t\bar{t}$ Parton-level leading top transverse momentum, $|\vec{p}_T^{t,1}| \in [0.5, 1]$

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.315 default

 $\frac{d^2\sigma}{d|\vec{y}^{t,1}| d|\vec{p}_T^{t,1}|} \text{ # [fb] # [TeV]}^{-1}$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $p_{T}^{t,1} \text{ # [TeV]}$ 